Lagrangian Based Models
Three-Dimensional Eulerian-Lagrangian Transport Model
Lagrangian Transport Simulation Using Video Images to Store and Retrieve Parameters

3-D Particle Tracking for the New York Bight
An Experimental Model Using a Graphical User Interface
Animation and Visualization Techniques
Techniques for Visualization of Estuarine and Coastal Flow Fields
A Graphical Post-Processor for CE-QUAL-W2
Development of Model Software for Civil Engineers
NetCDF: A Public-Domain Software Solution to Data-Access Problems for Numerical Modelers
Model Calibration and Validation
Methodology for Validation of a Tampa Bay Circulation Model
Field Verification of a Wave-Induced Current Model
Transport Modeling
Modeling Three-Dimensional Circulation and Sediment Transport in Lakes and Estuaries
Thirty Year Simulation of Chesapeake Bay Eutrophication
Passive Dispersive Transport Modelling: Comparison with Experimental Rhodamine Data in the Elbe Estuary, Germany
Forecasting Models
Nowcast Protocol for the Great Lakes Forecasting System
Model Development for Operational Use to Help Spill Combating and Sea Rescue
A Shell Approach to Modeling Oil Spill Trajectory and Fate and Search and Rescue Operations
A Coastal-Ocean Hindcast/Forecast Model
Sediment Transport
A PC Modelling System for the Simulation of Transport and Fate of Solutes and Suspended Substances
The Transport and Fate of Drilling Muds
Applications
Experiments with a Terrain-Following Hydrodynamic Model for Cobscook Bay in the Gulf of Maine
Modeling Nearshore Currents in the Vicinity of the Endicott Causeway, Alaska
A Study of Salt Transport Processes in Delaware Bay
Frontal Dynamics and Circulation of the Upper Layer of a Fjord System with Complicated Topography
Estuary and Wetlands Models
Modeling the Pathways of Nonconservative Substances in Estuaries
Continuum Model for Flows in Emergent Marsh Vegetation
Contaminant Transport I
Estuarine Environmental Impact Assessment Using a Three-Dimensional Circulation and Transport Model
Modeling Transport and Fate of Micropollutants in Coastal Waters
Circulation Modelling and Water Quality Prediction
Florida Estuaries
The Importance of Density Driven Circulation in Well Mixed Estuaries: The Tampa Bay Experience
Preliminary Circulation Simulations in Apalachicola Bay
Modeling Tidal and Wind Driven Circulation in Sarasota and Tampa Bays
Contaminant Transport II
Control of Contaminant Transport in Estuaries
Water Quality Modelling: Prediction of the Transport of Water Constituents in the Weser Estuary (Germany)
Application of a Boundary Fitted Coordinate Transport Model
Numerical Simulation of a Shallow Estuary-Weeks Bay, Alabama
New York Bight and Long Island Sound Modeling
Simulation of Three-Dimensional Hydrodynamics in Long Island Sound: Seasonal Timescale
Simulation of Three-Dimensional Hydrodynamics in Long Island Sound: Annual Timescale
A Three-Dimensional Simulation of Buoyancy and Wind-Induced Circulation and Mixing in the New York Bight
Numerical Simulation of Tidally Induced Three-Dimensional Hydrodynamics of New York Bight
Assessing C\(_{\text{II}}\) Speciation and Transport in New York Bight
Contaminant Transport III
Pollutant Transport Modeling In Large River Plumes
A PC-Based Integrated Water Quality Impact and Analysis System
3-D Modelling of Heat Discharge from Ul-Jin Power Plant into Coastal Waters of Korea East Sea
A Numerical Model Simulation of Tidal Currents in Long Island and Block Island Sounds

Coastal Modeling I
Internal Tide and Wind Forced Flows
3-D Hydrodynamic Model Validation Through Simulations of Dynamic Processes
Tide and Hurricane Storm Surge Computations for the Western North Atlantic and Gulf of Mexico
Effects of Wind on Circulation in Los Angeles-Long Beach Harbors
Estimation of Wind Fields For Coastal Modeling
Coastal Modeling II
A Finite Element Model for Three-Dimensional Flows Along the West Coast of Vancouver Island
Hurricane Camille Shelf Wave Simulation Using a Numerical Ocean Circulation Model

Estuarine and Bay Modeling I
Tide- and Wind-Driven Flushing of Boston Harbor
Two-Dimensional Circulation Modeling of the Pamlico River Estuary, North Carolina

Modeling Techniques
A Semi-Implicit Finite Difference Model for Three-Dimensional Tidal Circulation
Modeling 3-D Circulation Using the DSS Technique
Modeling of Convective Processes in Two- and Three-Dimensional Models
DYNLET 1: Network Model for Tidal Inlet Dynamics
Estuarine Modeling II
Hydrodynamic and Water Quality Modeling of Lower Green Bay
Modelling of Coastal Circulation in Singapore Waters - A Hybrid Approach
Numerical Simulation of Tidal Flow in Shallow Water Bay by Finite Difference
Impact of Breakwater Removal on Hydrodynamics and Water Quality in Flushing Bay, New York
Grids, Boundary Conditions and Eddy Viscosity
Evaluation of Modelling Parameters for Simulation of Estuarial Systems
Sensitivity of Flow and Salt Transport to Uncertainties at Open Boundaries: A 3-D Experience
A Modified Adjoint Method for Inverse Eddy Viscosity Estimation for Use in Coastal Circulation Models
A Predictive Model of the Currents in Cleveland Bay

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.